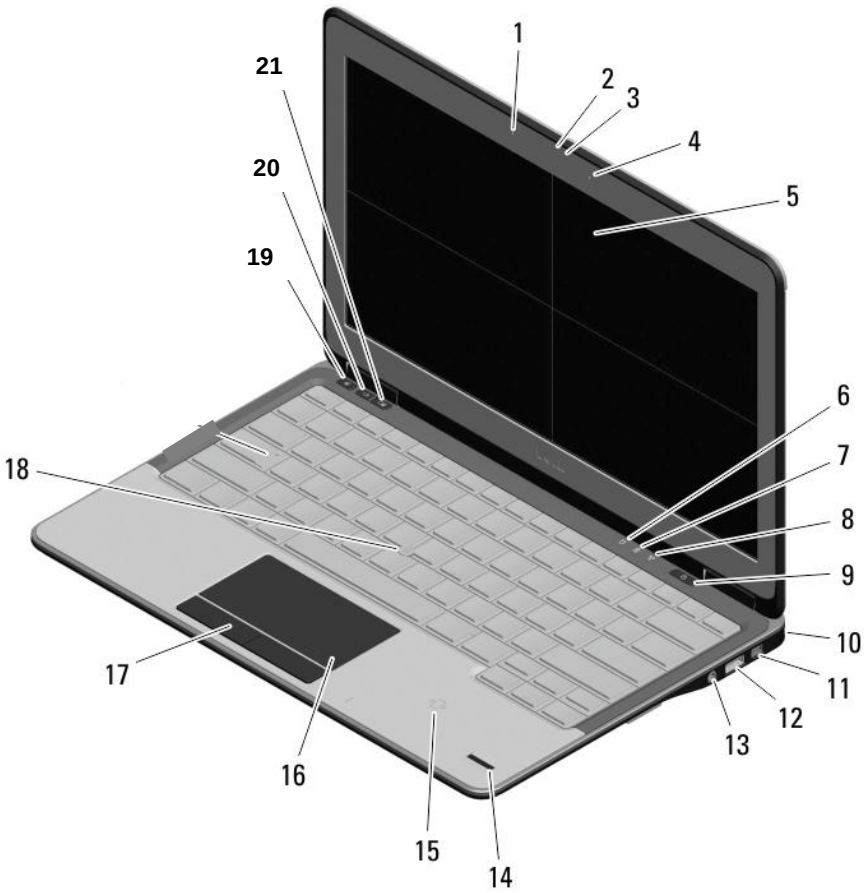
Dell™ Latitude™ 7000 Series Technical Guidebook

July 2013

Dell Latitude 7000 Series Product Views and Technical Specifications

Dell Latitude 12 7000 Series Weight, Dimensions, Top/Right View



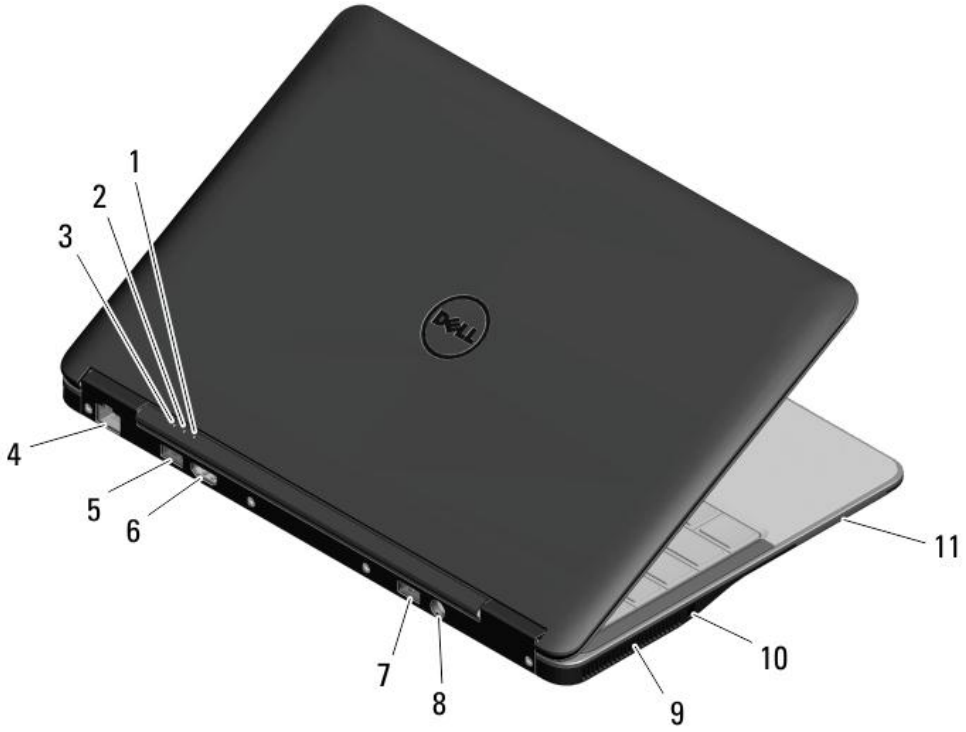
1. Microphone
2. Camera
3. Camera status light
4. Microphone
5. Display
6. Hard-drive status light
7. Battery status light
8. Wireless status light
9. Power button
10. Security lock slot
11. Mini-display port connector
12. USB 3.0 connector
13. Audio & microphone connector
14. Fingerprint reader
15. Contactless smart card reader
16. Touchpad
17. Touchpad buttons (2)
18. Keyboard
19. Mute button
20. Volume down button
21. Volume up button

Starting weight:
2.99lbs (1.36kg) with a 3-cell battery

Dimensions:

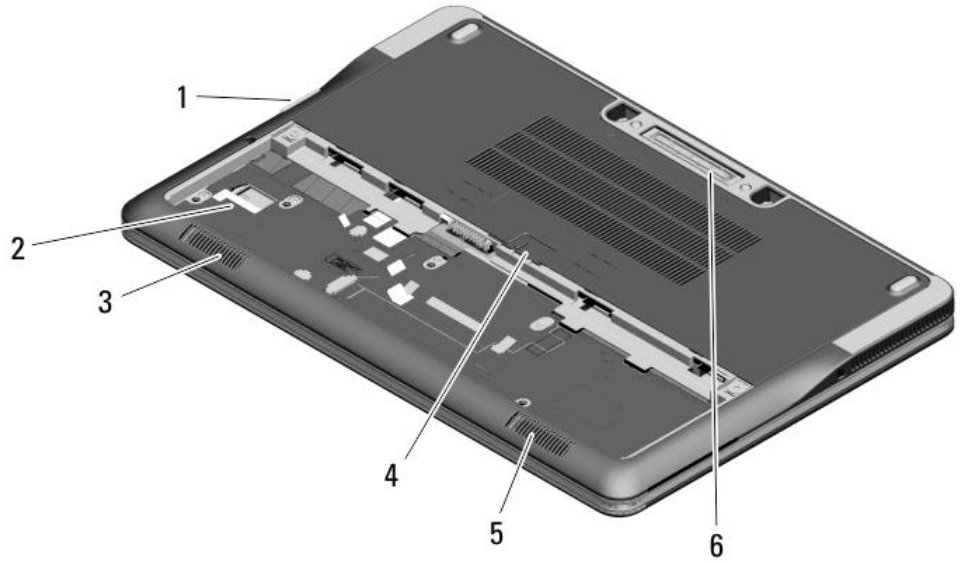
Width:	310.5 mm (12.2 inches)
Depth:	211.0 mm (8.3 inches)
Height;	20.0 mm (.79 inches)

Dell Latitude 12 7000 Series Back/Left View



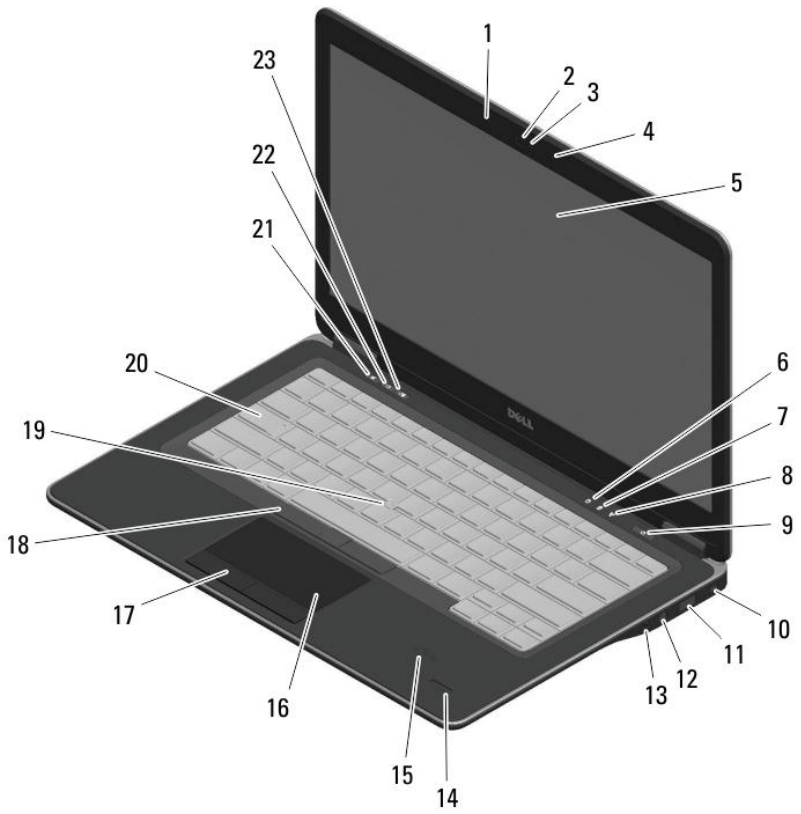
1. Power status light
2. Hard-drive activity light
3. Battery status light
4. Network connector
5. USB 3.0 connector
6. HDMI connector
7. USB 3.0 connector with power share
8. Power connector
9. Cooling vents
10. Wireless switch
11. Smart card slot

Dell Latitude 12 7000 Series Bottom View



1. SD card reader
2. SIM card slot
3. Speaker
4. Battery latch
5. Speaker
6. Docking connector

Dell Latitude 14 7000 Series Weight, Dimensions, Top/Right View



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5. Display
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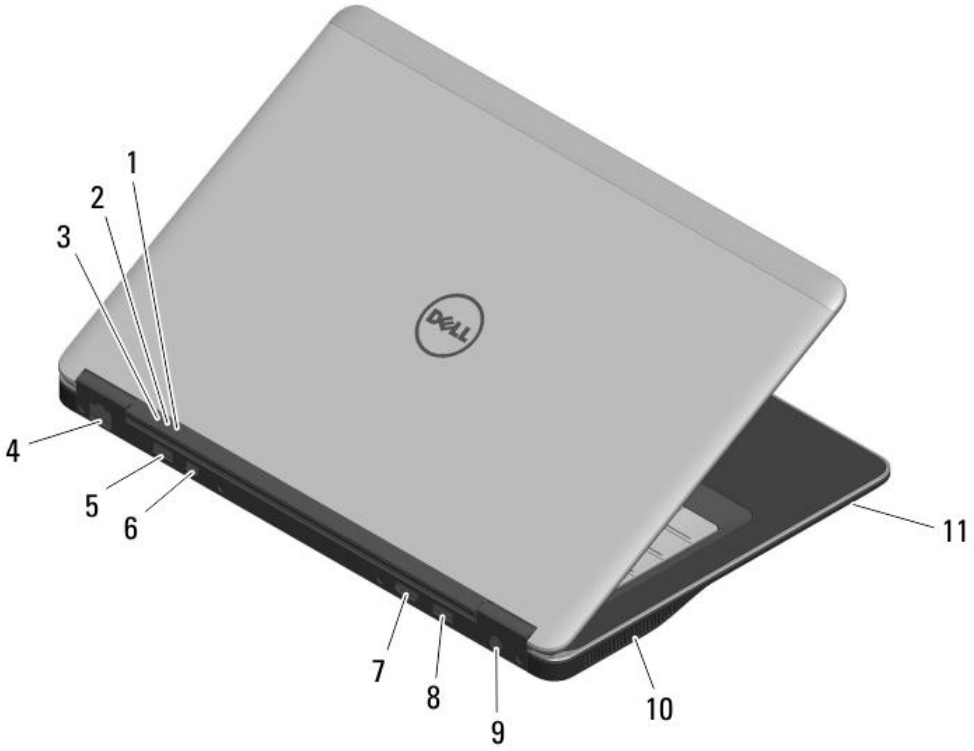
7. Battery status light
8. Wireless status light
9. Power button
10. Security lock slot
11. USB 3.0 connector
12. Audio & microphone connector
13. Wireless switch
14. Fingerprint reader
15. Contactless smart card reader
16. Touchpad
17. Touchpad buttons (2)
18. Trackstick buttons
19. Trackstick
20. Keyboard
21. Mute button
22. Volume down button
23. Volume up button

Starting weight:
3.6lbs (1.63kg) with a 3-cell battery

Dimensions:

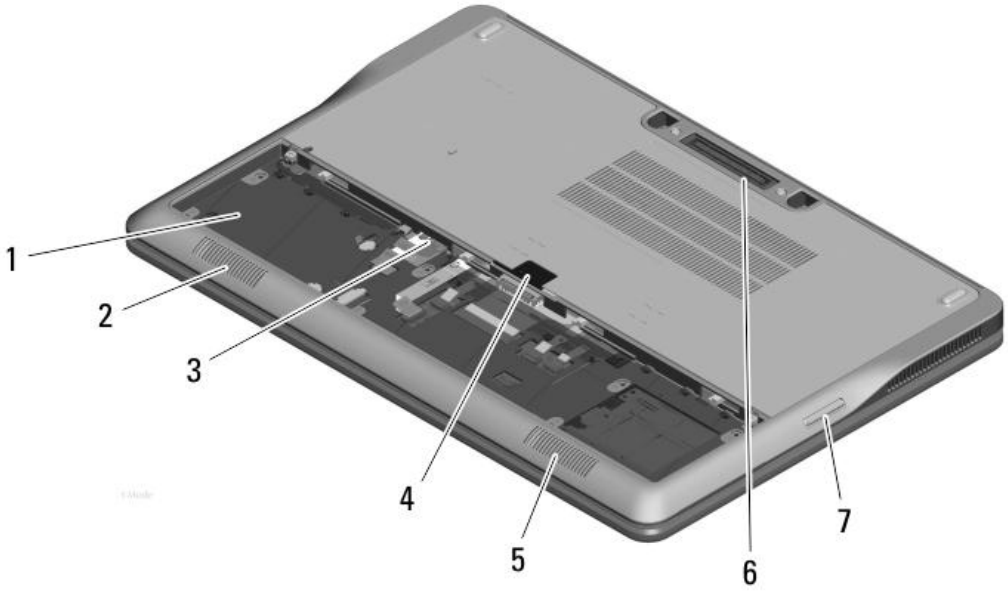
Width:	337.0 mm (13.2 inches)
Depth:	231.5 mm (9.1 inches)
Height;	21.0 mm (.8 inches)

Dell Latitude 14 7000 Series Back/Left View



1. Power status light
2. Hard-drive activity light
3. Battery status light
4. Network connector
5. USB 3.0 connector
6. Mini-display port connector
7. HDMI connector
8. USB 3.0 connector with power share
9. Power connector
10. Cooling vents
11. Smart card slot

Dell Latitude 14 7000 Series Bottom View



1. Battery bay
2. Speaker
3. SIM slot
4. Battery latch
5. Speaker
6. Docking connector
7. SD card reader

Dell Latitude 7000 Series Technical Specifications

Feature	Technical Specification	
Model Number	Latitude E7240	Latitude E7440
Processor Options	4th Generation Intel® Core™ processors up to i7	4th Generation Intel® Core™ processors up to i7
Operating System Options	Genuine Windows® 7 Genuine Windows® 8 Genuine Windows® 8 Pro Linux Ubuntu 12.04	
Memory Options	DDR3L SDRAM 1600MHz 2 slots supporting 2G, 4GB, 8GB DIMMs	DDR3 SDRAM 1600MHz 2 slots supporting 2G, 4GB[7], 8GB DIMMs
Chipset	Integrated with the CPU (Lynx Point-LP)	
Intel Responsiveness Technologies	Optional Intel® Rapid Start Technology Optional Intel® Smart Connect Technology (Require mobile solid state drive)	
Graphics[6] Options	Up to Intel® Integrated HD Graphics up 5000	
Display Options	12.5" HD (1366x768) Anti-Glare LED-backlit 12.5" FHD (1920x1080) Touch	14.0" HD (1366x768) Anti-Glare LED-backlit 14.0" FHD (1920x1080) Anti-Glare LED-backlit 14.0" FHD (1920x1080) Touch
Storage Options	Mobility Solid State up to 256GB[6] Dell Fast Response Free Fall Sensor and HDD Isolation (standard on the motherboard)	5400RPM SATA up to 500GB[6] Mobility Solid State up to 256GB[6] Dell Fast Response Free Fall Sensor and HDD Isolation (standard on the motherboard)
Optical Drive Options	N/A	N/A
Multimedia	High Quality Speakers Stereo global headset jack Integrated, noise reducing array microphones Optional Integrated HD video webcam and Dell Webcam Central software	
Battery Options	3-cell (31Whr) Lithium Ion battery with ExpressCharge™ 4-cell (42Whr) Lithium Ion battery with ExpressCharge™	3-cell (34Whr) Lithium Ion battery with ExpressCharge™ 4-cell (45Whr) Lithium Ion battery with ExpressCharge™
Power Options	65 Watt or 90W AC Adapter 65W BFR/PVC Free AC Adapter 90W Auto/Air DC Adapter (optional)	

Dell Latitude 7000 Series Technical Specifications

Feature	Technical Specification	
Connectivity	10/100/1000 Gigabit Ethernet **Wireless LAN and WiMAX Options:** Intel® Centrino® Advanced -N + WiMAX 7260 Dell Wireless 1601 (802.11n 2x2, + Bluetooth & WiGig) Dell Wireless 1506 (802.11g/n 1x1, no Bluetooth) **Mobile Broadband & GPS Options:** Dell Wireless™ 5570 HSPA+ Mini Card Dell Wireless™ 5808 LTE Mobile Broadband	
Ports, Slots & Chassis	Network connector (RJ-45) USB 3.0 (3) Stereo headphone/Microphone combo jack Docking Connector, mDisplayPort, HDMI 1 Full and 2 Half Mini Card Slots Optional SmartCard Reader/Contactless SmartCard Reader/Fingerprint Reader or FIPS Fingerprint Reader	
Dimensions & Starting Weight[1]	Width: 12.2" / 310.5mm Height: .79"/20.0mm Depth: 8.3" / 211.0mm 2.99lbs / 1.36kg (with 3-cell battery)	Width: 13.2" / 337.0mm Height: .8"/21.0mm Depth: 9.1" / 231.5mm 3.6lb / 1.63kg (with 3-cell battery)
Regulatory and Environmental Compliance	Regulatory Model: P22S Regulatory Type: P22S001	Regulatory Model: P40G Regulatory Type: P40G001
	Energy Star 5.2/6.0 (Windows OS)	
	EPEAT Registered. For specific country participation and rating, please see www.epeat.net	
Input	Single Pointing Keyboard: Standard or Backlit Multi-touch Touchpad	Dual Pointing Keyboard: Standard or Backlit Multi-touch Touchpad
Systems Management	Intel® vPro™ Technology's advanced management features (optional, requires Intel WiFi® Link WLAN)	
Configuration Services[5]	Factory Image Load, BIOS Customization, Hardware Customization, Asset Tagging and Reporting	
Recommended Accessories	**On the go:** Dell Executive leather carrying case, Dell mDP to VGA adapter, Dell UltraMobile projector, Dell 90W Auto/Air charger with power cord **In the office:** Dell E-series Port Replicator or D5000 WiGig Dock, UltraSharp Monitors, Dell Wireless Keyboard and Mouse	

Dell Latitude 7000 Series Technical Specifications

Footnotes:

[1] Based on Dell lab testing. Weights vary depending on configuration and manufacturing variability.

[2] Some items will be available post-RTS. Offering may also vary by country and by configuration. For complete details, refer to the Technical Guidebook available on dell.com.

[3] The Dell notebook portfolio contains Corning Gorilla Glass 2 and Corning Gorilla Glass NB on select systems - See product specification for details

[4] Requires an Intel wireless card, a compatible Media Adapter (sold separately) and an HDMI or composite AV-enabled display

[5] Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.

[6] Significant system memory may be used to support graphics, depending on system memory size and other factors. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

[7] A 64-bit operating system is required to support 4GB or more of system memory.

[8] Intel Rapid Start requires a Solid-State Drive (SSD) or properly configured HDD + SSD

[9] Intel Smart Response Technology requires a 32GB SSD setup as secondary storage device.

[10] Mobile Broadband: Subject to wireless provider's broadband subscription and coverage area; additional charges apply.

[11] Dell Latitude laptops are brominated flame retardant free (BFR-free) and polyvinyl chloride free (PVC-free); meeting the definition of BFR-/PVC-free as set forth in the iNEMI Position Statement on the 'Definition of Low-Halogen Electronics (BFR-/CFR-/PVC-free)'. Plastic parts contain less than 1,000 ppm (0.1%) of bromine (if the Br source is from BFRs) and less than 1,000 ppm (0.1%) of chlorine (if the Cl source is from CFRs or PVC or PVC copolymers). All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total less than 1,500 ppm (0.15%) with a maximum chlorine of 900 ppm (0.09%) and maximum bromine being 900 ppm (0.09%).

Marketing System Configurations

Dell Latitude 7000 Series– Operating Systems

Windows operating system	Microsoft® Windows 8® Pro Microsoft® Windows 8® Microsoft® Windows 7® Home Premium SP1 (32 and 64 bit), Microsoft® Windows 7® Home Premium w/MUI SP1 (32 and 64 bit), Microsoft® Windows 7® Professional w/MUI SP1 (32 and 64 bit), Microsoft® Windows 7® Professional SP1 (32 and 64 bit), Microsoft® Windows 7® Ultimate SP1 (32 and 64 bit)
Other	Linux Ubuntu 12.04 (32 bit)
OS Media Support	Optional

Intel® processor Technology

Haswell Architecture

Dell Latitude 7000 Series is built with Intel 4th Generation Core processor Technology

- Latest Intel 22nm Process Technology.
- 4th generation ULT (Single-chip) Processor and Chipset
- Intel® Integrated HD Graphics 4400
- Optional Intel® Rapid Start Technology
- Optional Intel® Smart Connect Technology
- Optional Intel vPro™ technology (on i5 & i7) with Active Management Technology 9.5
- Intel® Wireless Display 4.1 driver included in Intel WLAN options.

Processors Support List	UMA Graphics
Intel® Core™ i5-4200U	Intel® HD Graphics 4400
Intel® Core™ i3-4010U	Intel® HD Graphics 4400
Intel® Core™ i7-4600U (Wave II)	Intel® HD Graphics 4400
Intel® Core™ i5-4300U (Wave II)	Intel® HD Graphics 4400

Memory

- Your computer supports a maximum of 16GB[1] of memory when you use two 8GB DIMMs; however, 32-bit operating systems, such as the 32-bit version of Microsoft® Windows® 7, can only use a maximum of 4GB of address space. Moreover, certain components within the computer require address space in the 4GB range. Any address space reserved for these components cannot be used by computer memory; therefore, the amount of memory available to a 32-bit operating system is less than 4GB.
- Greater than 4GB memory requires a 64-bit operating system.
- **ONLY MEMORY TYPE SUPPORTED: DDR3-LOW VOLTAGE ("DDR3L")**
- **NOT BACKWARD COMPATIBLE WITH DDR3 MEMORY**

Memory	E7x40
DIMM Slots	2
Minimum Memory Configuration	2GB
Maximum Memory Configuration*	16GB
DIMM Configurations:	
16G 1600MHz DDR3L (2x8G)	x
8G 1600MHz DDR3L (2x4G)	x
4G 1600MHz DDR3L (1x4G)	x

[1] 1GB means 1 billion bytes

Primary Storage and Intel Rapid Start Technology

Primary Storage	Dell Latitude 12 7000 Series	Dell Latitude 14 7000 Series
320GB[1] 5400rpm*		x
500GB[1] 5400rpm		x
64GB[1] Mobility SSD	x	x
128GB[1] Mobility SSD	x	x
256GB[1] Mobility SSD	x	x
256GB[1] Mobility Self Encrypting SSD (SED)	x	x

Mobility Solid State Drives offer highly reliable, durable and lightweight storage. SSDs provide improved performance and operate quieter and cooler than standard hard drives.

Self-Encrypting drives provide hardware encrypted data protection which can be activated within a few seconds centrally and can be much safer and faster than software based encryption. Note: Encrypted drives require the system be configured in AHCI mode.

Intel Rapid Start Technology dependencies with system memory and primary storage:

- IRST is restricted against Self-Encrypting SSDs

* 320GB will EOL in Sept

[1] 1GB means 1 billion bytes

Connectivity Options

	Connectivity Option	Dell Latitude 7000 Series
WWAN (Full mini card)	Dell Wireless 5570[1] HSPA+ (42Mbps) Mini Card Dell Wireless 5808[1] LTE Mobile Broadband	x
WLAN (half mini card)	Intel® Centrino® Advanced-N 7260 + WiMax (802.11a/b/g/n 2x2 Half Mini Card)	x
	Dell Wireless 1601 (802.11n 2x2, + Bluetooth & WiGig)	x
	Dell Wireless™ DW1506 Wi-Fi (802.11b/g/n 1x1 Half Mini Card)	x

WWAN Carriers & Countries

- US: not available
- Canada: not available
- Brazil: None (Generic)
- EMEA: None (Generic)
- APJ: None (Generic)

NOTE : Bluetooth 4.0 is only available via WLAN+BT combo cards, such as the Intel® WiFi+BT 7260

Security and Keyboard specifications

Security Hardware	Dell Latitude 7000 Series
FIPS certified Trusted Platform Module (TPM)	X
Optional Dell ControlVault™ with Swipe Fingerprint Reader, Smart Card Reader, Contactless Smart Card Reader and 54mm Express Card	X
Optional Dell ControlVault™ with FIPS 201 Scan Fingerprint Reader, Smart Card Reader, Contactless Smart Card Reader and 54mm Express Card	X
Optional Dell ControlVault™ with Smart Card Reader and 54mm Express Card	X

Keyboard Specs	
Number of keys	83 (U.S. and Canada) 84 (Europe) 85 (Brazil) 87 (Japan)
Layout	QWERTY/AZERTY/Kanji
Size	full sized (19.05mm key pitch)
Backlit keyboard option	• Easy enable/disable via hotkey <Fn+right arrow key> • 5 variable brightness levels

Detailed Engineering Specifications

Ports and Connectors

	Dell Latitude 12 7000 Series	Dell Latitude 14 700 Series
Ports, Slots & Chassis	Network connector (RJ-45)	Network connector (RJ-45)
	USB 3.0 (3)	USB 3.0 (3)
	Stereo headphone/Microphone combo jack	Stereo headphone/Microphone combo jack
	Docking Connector, mDisplayPort, HDMI	Docking Connector, mDisplayPort, HDMI
	1 Full and 2 Half Mini Card Slots	1 Full and 1 Half Mini Card Slots
	Optional SmartCard Reader/Contactless SmartCard Reader/Fingerprint Reader or FIPS Fingerprint Reader	Optional SmartCard Reader/Contactless SmartCard Reader/Fingerprint Reader or FIPS Fingerprint Reader

Webcam Specifications

Easy Remote Collaboration:

- Videoconference online with an optional built-in camera.
- Dell Webcam Central software pre-installed for camera setup on MS Windows 7 configurations only

Webcam Features	Dell Latitude 7000 Series
Camera Type	HD fixed focus
Sensor Type	CMOS sensor technology
Resolution: Motion Video	Up to 1280 x 720 (0.92 MP)
Resolution: Still Image	Up to 1280 x 720 (0.92MP)
Imaging Rate	Up to 30 frames per second

Wired Communications

Network Adapter (NIC) – Intel	
Intel® i218LM Gigabit Ethernet Controller	Integrated on system board
External connector type	RJ-45
Data Rates	10/100/1000 Mbps
Controller bus architecture	PCI-e V1.1x1
Power consumption (full operation per data rate connection speed)	1000 Mbps: 535 mW 100 Mbps: 260 mW 10 Mbps: 304 mW
Power consumption (standby operation)	No Link (low power mode): 17 mW No Link (w/ WOL): N/A (can't wake on LAN when there is no cable/link) 10 Mbps Idle (w/ WOL): 68 mW 100 Mbps Idle (w/ WOL): 176 mW
IEEE standards compliance	802.3, 802.3ab, 802.3u, 802.az
Boot ROM Support	PXE
Network Transfer Rate	Full duplex at 10, 100, or 1000 Mbps and half duplex at 10 or 100 Mbps.
Operating Temp/Storage Temp	0C to 85C/-40C to 125C
Operating Humidity	20% to 80% (non-condensing)
Operating System Driver support	DOS, Win Server 2008/2012, Linux, Win7, Win8
Manageability	WOL, PXE
Management Capabilities Alerting	AMT 9.5 / DASH 1.1

Integrated Graphics Controller

Integrated Graphics Controller	Intel HD, HD 4400 (Intel Haswell i3/i5/i7 Processors)
Model	Dell Latitude 7000 Series
Bus Type	Internal PCIe
Memory Interface	N/A (unified memory architecture)
Clock Speeds	Core i7: 1.7G ~ 2.1G Depending on CPU Core i5: 1.4G ~1.9G Depending on CPU Core i3: 1.7G ~ 1.9G Depending on CPU
Max Graphics dynamic frequency	Core i7: 200/1000 Mhz depending on CPU Core i5: 200/1100 Mhz Depending on CPU Core i3: 200/1000 Mhz Depending on CPU
Estimated Maximum Power Consumption (TDP)	15W
Display Support	eDP (internal), HDMI, DisplayPort
Maximum Color Depth	32bit
Maximum Vertical Refresh Rate	Up to 85Hz depending on resolution
Operating Systems Graphics/ Video API Support	DirectX 11,1 (Windows 8 only), OpenGL 4.0
Supported Resolutions and Max Refresh Rates (Hz) (Note: Analog and/or digital)	Max Digital: (HDMI) 3200x2000@60Hz Max Digital: (DisplayPort) 3200x2000@60Hz Analog: (VGA) through docking 1600x1200/32bpp @ 85Hz or 1920x1200/32bpp @ 60Hz
Numbers of Displays Supported	3 max

Display

Dell Latitude 12 7000 Series	12.5"
Type	HD Anti-Glare FHD touch
Luminance (typical)	HD 200 nits FHD 360 nits
Dimensions	
Height	HD 180.0 mm (maximum), FHD 171.2 mm (maximum)
Width	HD 300.9 mm (maximum), FHD 291.0 mm (maximum)
Diagonal	12.5”
Native Resolution	HD 1366x768, FHD 1920x1080
Megapixels	HD 1.04, FHD 2.07
Pixels per Inch (PPI)	HD 125, FHD 176
Contrast Ratio (min)	HD 300:1, FHD 600:1
Response Time (max)	HD 20 msec rise/fall, FHD 35 typ msec rise/fall
Refresh Rate	60 Hz
Horizontal View Angle	HD +40/- 40 degrees, FHD +80/-80 degrees
Vertical View Angle	HD +10/-30 degrees, FHD +80/-80 degrees
Pixel Pitch	HD 0.2025mm, FHD 0.144mm
Power Consumption (maximum)	HD 3.7W, FHD 5.3W

Display

Dell Latitude 14 7000 Series	14.0”
Type	HD Anti-Glare, FHD Anti-Glare, FHD Touch
Luminance (typical)	HD 200nits, FHD 300nits
Dimensions	
Height	205.6mm (maximum)
Width	320.9mm (maximum)
Diagonal	14.0”
Native Resolution	HD 1366x768, FHD 1920x1080, FHD Touch 1920x1080
Megapixels	HD 1.04, FHD 2.07
Pixels per Inch (PPI)	112 for HD , 157 for FHD
Contrast Ratio (min)	300:1 for HD , 600:1 for FHD
Response Time (max)	HD 25msec typ rise/fall, FHD 35 typ msec rise/fall
Refresh Rate	60 Hz
Horizontal View Angle	HD +40/- 40 degrees, FHD +80/-80 degrees
Vertical View Angle	HD +10/-30 degrees, FHD +80/-80 degrees
Pixel Pitch	HD 0.2265mm, FHD 0.161mm
Power Consumption (maximum)	HD 3.8W, FHD 6.0W

Dell Latitude 14 7000 Series – Battery Specification

	3-cell 34Whr	4-cell 45Whr
Battery Type	Lithium ion	Lithium ion
Dimension		
Length	308.5mm (12.15")	308.5mm (12.15")
Width	74.75mm (2.94")	74.75mm (2.94")
Height	8.0mm (0.32")	8.0mm (0.32")
Weight	247.00 g (0.55 lb)	308.00 g (0.68 lb)
Voltage	11.1VDC	7.4VDC
Typical Amp-hour capacity	3.038Ahr	6.076Ahr
Typical Watt-hour capacity	34Whr	45Whr
Temperature		
Operating	Charge: 0 °C to 50 °C, 32 °F to 158 °F Discharge: 0 °C to 70 °C, 32 °F to 122 °F	Charge: 0 °C to 50 °C, 32 °F to 158 °F Discharge: 0 °C to 70 °C, 32 °F to 122 °F
Non-Operating	-20 °C to 65 °C 4 °F to 149 °F	-20 °C to 65 °C 4 °F to 149 °F
Charging time	0~15degC: 4 hour 16~45degC: 2 hours 46~60degC: 3 hours	0~15degC: 4 hour 16~45degC: 2 hours 46~60degC: 3 hours
ExpressCharge Capable	Yes	Yes
BATTMAN Capable	Yes	Yes

Express charge benefits

- For a battery advertised as having the ExpressCharge™ feature, the battery typically will have greater than 80% charge after about an hour of charging with the system off, and fully charge in about 2 hours with the system off.
- Enabling Expresscharge™ requires that both the Latitude notebook and the battery that is used on the system be ExpressCharge™ capable. If any of the above requirements is missing, ExpressCharge™ will not be enabled.

Dell Latitude 12 7000 Series– Battery Specification

	3-cell 31Whr	4-cell 42Whr
Battery Type	Lithium ion	Lithium ion
Dimension		
Length	282.0mm (11.1")	282.0mm (11.1")
Width	80.75mm (3.18")	80.75mm (3.18")
Height	7.2mm (0.28")	7.2mm (0.28")
Weight	250.0 g (0.55 lb)	300.0 g (0.66 lb)
Voltage	11.1VDC	7.4VDC
Typical Amp-hour capacity	2.77Ahr	5.54Ahr
Typical Watt-hour capacity	31Whr	42Whr
Temperature		
Operating	Charge: 0 °C to 50 °C, 32 °F to 158 °F Discharge: 0 °C to 70 °C, 32 °F to 122 °F	Charge: 0 °C to 50 °C, 32 °F to 158 °F Discharge: 0 °C to 70 °C, 32 °F to 122 °F
Non-Operating	-20 °C to 65 °C 4 °F to 149 °F	-20 °C to 65 °C 4 °F to 149 °F
Charging time	0~15degC: 4 hour 16~45degC: 2 hours 46~60degC: 3 hours	0~15degC: 4 hour 16~45degC: 2 hours 46~60degC: 3 hours
ExpressCharge Capable	Yes	Yes
BATTMAN Capable	Yes	Yes

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Power Adapters

Adapter Specifications	90W Auto/Air DC	E4 65W	65W BFR/PVC free	E5 65W	E5 90W
Input voltage	11-16VDC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC	100 to 240 VAC
Input current (max)	9.0 A	1.5 A	1.5 A	1.5 A	1.6 A
Input frequency	N/A	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz	50 to 60 Hz
Output current	4.62 A (continuous)	3.34 A (continuous)	3.34 A (continuous)	3.34 A (continuous)	4.62 A (continuous)
Rated output voltage	19.5 VDC	19.5 VDC	19.5 VDC	19.5 VDC	19.5 VDC
Weight (lbs)	0.26	0.64	0.64	0.51	0.7
Weight (kg)	0.12	0.29	0.29	0.23	0.32
Dimensions (inches)	3.2 x 0.81	1.1 x 1.9 x 4.3	1.1 x 1.9 x 4.3	0.87 x 2.60 x 4.17	0.87 x 2.60 x 5.12
Dimensions (mm)	81.8 x 20.6	28 x 47 x 108	28 x 47 x 108	22 x 66 x 106	22 x 66 x 130
Temperature range:	0° to 45°C	0° to 40°C	0° to 40°C	0° to 40°C	0° to 40°C
Operating	32° to 113F	32° to 104°F	32° to 104°F	32° to 104°F	32° to 104°F
Storage	-40° to 70°C	-40° to 70°C	-40° to 70°C	-40° to 70°C	-40° to 70°C
	-40° to 158°F	-40° to 158°F	-40° to 158°F	-40° to 158°F	-40° to 158°F

- AC adapters are compliant with the ErP II Lot 6 new Europe Regulatory Power Requirements effective 1/3/2013

Latitude Keyboards Hot Key Definition

Keyboard Shortcuts	
Fn+F1 – Standby	Puts the system into Standby (S3) - does not wake the system.
Fn+F3 – Scroll lock	Used as Scroll Lock key.
Fn+F5 – Touchpad and Stick	Enables/disables the Touchpad and Stick. The hot key cycles through the following states when pressed: E7440: Touchpad disabled (Stick enabled) -> Stick disabled (Touchpad enabled) -> Touchpad and Stick disabled E7240: Touchpad disabled -> Touchpad enablesd
Fn+F8 – LCD and Projector display	Determines video output to LCD and external Video device(s) when attached and display(s) present. While running the OS, the scan-code is passed from the BIOS to the OS and will cycle through the following states when pressed: Computer only -> Duplicate -> Extend -> Projector only – based on priority see reference below (example: LCD only -> duplicate LCD & DP -> extended LCD & DP -> DP only). When in DRMK/DOS, the video only cycles through attached devices one at a time, not extended (example: LCD only -> DP only -> DVI only -> VGA only).

Keyboard Shortcuts	
Fn+Home – SysRq (System Request)	Used as SysRq key.
Fn+End – Print Screen	Used as Print Screen key.
Fn+Insert – Pause	Used as Pause key.
Fn+UpArrow – Brightness Increase	Increases the stepping of LCD brightness for each press unless maximum is reached.
Fn+DownArrow – Brightness Decrease	Decreases the stepping of LCD brightness for each press unless minimum is reached.
Fn+RightArrow – KB Illumination/Backlight	Determines the Keyboard Illumination/Backlight brightness levels. The hot key cycles through the following brightness states when pressed: Disabled, 25%, 50%, 75%, 100%.

Touch Pad Specifications

Touch Pad	
X/Y position resolution	600dpi
Size	Sensor-active area: • Width: 90mm (3.54") • Height: 44mm (1.73")
Multi-Touch	Configurable Single Finger and Multi-Finger gestures

Supported Gestures	Windows 7	Windows 8
Circular Scrolling	Supported (disabled by default)	Not supported
Drag Lock	Supported	Supported
Edge Swipe	Not supported	Supported
Horizontal / Vertical Scroll Zones	Supported (disabled by default)	Not supported
Zoom Zones	Supported (disabled by default)	Not supported
Zig Zag	Supported (no checkbox to disable)	Supported (no checkbox to disable)
2-finger Pan / Scroll	Supported	Supported
2-finger Pinch Zoom	Supported (disabled by default)	Supported
2-finger Rotate	Supported (disabled by default)	Supported (disabled by default)
2-finger Tap	Not supported	Supported (no checkbox to disable)
3-finger Flick Right/Left/Up/Down	Supported	Supported (disabled by default)

Operating conditions and MIL-STD 810G Testing

Models	Dell Latitude 7000 Series
Temperature Range	Operating 0° to 35°C (32° to 95°F) Storage –40° to 65°C (–40° to 149°F)
Relative humidity (maximum)	Operating 10% to 90% (non-condensing) Storage 5% to 95% (non-condensing)
Altitude (maximum)	Operating –15.2 to 3048 m (–50 to 10,000 ft) Storage –15.2 to 10,668 m (–50 to 35,000 ft)
MIL-STD-810G Tests Performed and Passed	1. Altitude Storage/Air Transport (Method 500.5 I) 2. Altitude Operation/Air Carriage (Method 500.5 II) 3. High Temperature Storage & Transition (Method 501.5 I) 4. High Temperature Operational (Method 501.5 II) 5. Low Temperature (Exaggerated) (Method 502.5 I) 6. Low Temperature (Method 502.5 II) 7. Humidity Storage & Transit (Method 507.5 I) 8. Thermal Shock (Method 503.5-3 C) 9. Humidity Aggravated Cycle (Method 507.5 II) 10. Sand and Dust Blowing Dust (Method 510.5 I) 11. Shock Material to be Packaged (Method 516.5 II) 12. Shock Crash Hazard (Method 516.5 V) 13. Shock Functional Shock (Method 516.6 I) 14. Shock Bench Handling (Method 516.6 VI) 15. Vibration Operational (Method 514.6 I Cat 4) 16. Vibration Non-Operational (Method 514.6 I Cat 24) 17. IEC IP5x Dust Ingress Protection (IEC60529[1]) 18. Keyboard Spill Test

Link to Product Safety, EMC and Environmental Data Sheets:
http://www.dell.com/content/topics/global.aspx/about_dell/values/regulatory_compliance/dec_conform?c=us&cs=04&l=en&s=bsd&redirect=1

[1] Tests completed by independent 3rd party ISO/IEC-17025 certified laboratories.